

D. Lukton

RAW SEQUENCE LISTING
ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



#13
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TECH CENTER 1600/2900

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number 09/380,738
Source 1653
Date Processed by STIC 4-17-01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY.

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW.

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Sequence Listing Error Summary

SERIAL NUMBER: 09/380,738

ERROR DETECTED SUGGESTED CORRECTION

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ Wrapped Nucleics
The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 ☐ Wrapped Aminos
The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 ☐ Incorrect Line Length
The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 ☐ Misaligned Amino Acid Numbering
The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 ☐ Non-ASCII
This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 ☐ Variable Length
Sequence(s) _____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
- 7 ☐ PatentIn ver. 2.0 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 8 ☐ Skipped Sequences (OLD RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 ☐ Skipped Sequences (NEW RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 10 ☐ Use of n's or Xaa's (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 ☒ Use of "Artificial" (NEW RULES)
Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules.
Valid response is Artificial Sequence.
- 12 ☐ Use of <220>Feature (NEW RULES)
Sequence(s) _____ are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial Sequence" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 ☐ PatentIn ver. 2.0 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

1653

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/380,738

DATE: 04/17/2001
TIME: 13:02:31

Input Set : A:\Reynolds.txt
Output Set: N:\CRF3\04172001\I380738.raw

Does Not Comply
Corrected Diskette Needed
pp. 3, 4, 5

3 <110> APPLICANT: REYNOLDS, Eric
5 <120> TITLE OF INVENTION: CALCIUM PHOSPHOPEPTIDE COMPLEXES
7 <130> FILE REFERENCE: 040268/0161
9 <140> CURRENT APPLICATION NUMBER: US 09/380,738
10 <141> CURRENT FILING DATE: 1999-12-06
12 <150> PRIOR APPLICATION NUMBER: PCT/AU98/00160
13 <151> PRIOR FILING DATE: 1998-03-13
15 <150> PRIOR APPLICATION NUMBER: AU P05662
16 <151> PRIOR FILING DATE: 1998-03-13
18 <160> NUMBER OF SEQ ID NOS: 23
20 <170> SOFTWARE: PatentIn version 3.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 21
24 <212> TYPE: PRT
25 <213> ORGANISM: Bos sp.
27 <220> FEATURE:
28 <221> NAME/KEY: misc_feature
29 <222> LOCATION: (6)..(6)
30 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <222> LOCATION: (8)..(8)
36 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
39 <220> FEATURE:
40 <221> NAME/KEY: misc_feature
41 <222> LOCATION: (9)..(9)
42 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
45 <220> FEATURE:
46 <221> NAME/KEY: misc_feature
47 <222> LOCATION: (10)..(10)
48 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
51 <220> FEATURE:
52 <221> NAME/KEY: misc_feature
53 <222> LOCATION: (17)..(17)
54 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
57 <400> SEQUENCE: 1
W--> 59 Gln Met Glu Ala Glu Xaa Ile Xaa Xaa Xaa Glu Glu Ile Val Pro Asn
60 1 5 10 15
W--> 62 Xaa Val Glu Gln Lys
63 20
65 <210> SEQ ID NO: 2
66 <211> LENGTH: 25
67 <212> TYPE: PRT
68 <213> ORGANISM: Bos sp.
70 <220> FEATURE:
71 <221> NAME/KEY: misc_feature
72 <222> LOCATION: (15)..(15)

RAW SEQUENCE LISTING
PATENT APPLICATIONInput Set : A:
Output Set : N:

146 <222> LOCATION: (8)..(8)
 147 <223> OTHER INFORMATION: Xaa
 150 <220> FEATURE:
 151 <221> NAME/KEY: misc_feature
 152 <222> LOCATION: (9)..(9)
 153 <223> OTHER INFORMATION: Xaa
 156 <220> FEATURE:
 157 <221> NAME/KEY: misc_feature
 158 <222> LOCATION: (10)..(10)
 159 <223> OTHER INFORMATION: Xaa
 162 <220> FEATURE:
 163 <221> NAME/KEY: misc_feature
 164 <222> LOCATION: (16)..(16)
 165 <223> OTHER INFORMATION: Xaa
 168 <400> SEQUENCE: 4
 W--> 170 Lys Asn Thr Met Glu His Val
 171 1 5
 173 Glu Glu Thr Tyr Lys
 174 20
 176 <210> SEQ ID NO: 5
 177 <211> LENGTH: 5
 178 <212> TYPE: PRT
 C--> 179 <213> ORGANISM: Artificial/
 181 <220> FEATURE:
 182 <221> NAME/KEY: misc_feature
 183 <222> LOCATION: (1)..(1)
 184 <223> OTHER INFORMATION: Sy
 187 <220> FEATURE:
 188 <221> NAME/KEY: misc_feature
 189 <222> LOCATION: (1)..(1)
 190 <223> OTHER INFORMATION: Xaa
 193 <220> FEATURE:
 194 <221> NAME/KEY: misc_feature
 195 <222> LOCATION: (2)..(2)
 196 <223> OTHER INFORMATION: Xaa
 199 <220> FEATURE:
 200 <221> NAME/KEY: misc_feature
 201 <222> LOCATION: (3)..(3)
 202 <223> OTHER INFORMATION: Xaa
 205 <400> SEQUENCE: 5
 W--> 207 Xaa Xaa Xaa Glu Glu
 208 1 5
 210 <210> SEQ ID NO: 6
 211 <211> LENGTH: 8
 212 <212> TYPE: PRT
 C--> 213 <213> ORGANISM: Artificial/
 215 <220> FEATURE:
 216 <221> NAME/KEY: misc_feature
 217 <222> LOCATION: (1)..(1)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/380,738DATE: 04/17/2001
TIME: 13:02:31Input Set : A:\Reynolds.txt
Output Set : N:\CRF3\04172001\I380738.raw

73 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
 76 <220> FEATURE:
 77 <221> NAME/KEY: misc_feature
 78 <222> LOCATION: (17)..(17)
 79 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
 82 <220> FEATURE:
 83 <221> NAME/KEY: misc_feature
 84 <222> LOCATION: (18)..(18)
 85 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
 88 <220> FEATURE:
 89 <221> NAME/KEY: misc_feature
 90 <222> LOCATION: (19)..(19)
 91 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
 94 <400> SEQUENCE: 2
 W--> 96 Arg Glu Leu Glu Glu Leu Asn Val Pro Gly Glu Ile Val Glu Xaa Leu
 97 1 5 10 15
 W--> 99 Xaa Xaa Xaa Glu Glu Ser Ile Thr Arg
 100 20 25
 102 <210> SEQ ID NO: 3
 103 <211> LENGTH: 25
 104 <212> TYPE: PRT
 105 <213> ORGANISM: Bos sp.
 107 <220> FEATURE:
 108 <221> NAME/KEY: misc_feature
 109 <222> LOCATION: (11)..(11)
 110 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
 113 <220> FEATURE:
 114 <221> NAME/KEY: misc_feature
 115 <222> LOCATION: (12)..(12)
 116 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
 119 <220> FEATURE:
 120 <221> NAME/KEY: misc_feature
 121 <222> LOCATION: (13)..(13)
 122 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
 125 <220> FEATURE:
 126 <221> NAME/KEY: misc_feature
 127 <222> LOCATION: (16)..(16)
 128 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
 131 <400> SEQUENCE: 3
 W--> 133 Asn Ala Asn Glu Glu Glu Tyr Ser Ile Gly Xaa Xaa Xaa Glu Glu Xaa
 134 1 5 10 15
 136 Ala Glu Val Ala Thr Glu Glu Val Lys
 137 20 25
 139 <210> SEQ ID NO: 4
 140 <211> LENGTH: 21
 141 <212> TYPE: PRT
 142 <213> ORGANISM: Bos sp.
 144 <220> FEATURE:
 145 <221> NAME/KEY: misc_feature

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/380,738

DATE: 04/17/2001
TIME: 13:02:31

Input Set : A:\Reynolds.txt
Output Set: N:\CRF3\04172001\I380738.raw

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218 <223> OTHER INFORMATION: Synthetic peptide
221 <220> FEATURE:
222 <221> NAME/KEY: misc_feature
223 <222> LOCATION: (2)..(2)
224 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
227 <220> FEATURE:
228 <221> NAME/KEY: misc_feature
229 <222> LOCATION: (4)..(4)
230 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
233 <220> FEATURE:
234 <221> NAME/KEY: misc_feature
235 <222> LOCATION: (5)..(5)
236 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
239 <220> FEATURE:
240 <221> NAME/KEY: misc_feature
241 <222> LOCATION: (6)..(6)
242 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
245 <400> SEQUENCE: 6
W--> 247 Glu Xaa Ile Xaa Xaa Xaa Glu Glu
      248 1 5
250 <210> SEQ ID NO: 7
251 <211> LENGTH: 5
252 <212> TYPE: PRT
C--> 253 <213> ORGANISM: Artificial/Unknown
      255 <220> FEATURE:
      256 <221> NAME/KEY: misc_feature
      257 <222> LOCATION: ()..()
      258 <223> OTHER INFORMATION: Synthetic peptide
      261 <400> SEQUENCE: 7
      263 Gln Met Glu Ala Glu
      264 1 5
      266 <210> SEQ ID NO: 8
      267 <211> LENGTH: 8
      268 <212> TYPE: PRT
C--> 269 <213> ORGANISM: Artificial/Unknown
      271 <220> FEATURE:
      272 <221> NAME/KEY: misc_feature
      273 <222> LOCATION: ()..()
      274 <223> OTHER INFORMATION: Synthetic peptide
      277 <220> FEATURE:
      278 <221> NAME/KEY: misc_feature
      279 <222> LOCATION: (5)..(5)
      280 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
      283 <400> SEQUENCE: 8
W--> 285 Ile Val Pro Asn Xaa Val Glu Gln
      286 1 5
      288 <210> SEQ ID NO: 9
      289 <211> LENGTH: 5
      290 <212> TYPE: PRT

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Refer to p. 3

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/380,738

DATE: 04/17/2001
TIME: 13:02:31

Input Set : A:\Reynolds.txt
Output Set: N:\CRF3\04172001\I380738.raw

C--> 291 <213> ORGANISM: Artificial/Unknown
293 <220> FEATURE:
294 <221> NAME/KEY: misc_feature
295 <222> LOCATION: ()..()
296 <223> OTHER INFORMATION: Synthetic peptide
299 <220> FEATURE:
300 <221> NAME/KEY: misc_feature
301 <222> LOCATION: (2)..(2) /
302 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
305 <220> FEATURE:
306 <221> NAME/KEY: misc_feature
307 <222> LOCATION: (3)..(3) /
308 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
311 <400> SEQUENCE: 9
W--> 313 Ser Xaa Xaa Glu Glu
314 1 5
316 <210> SEQ ID NO: 10
317 <211> LENGTH: 5
318 <212> TYPE: PRT
C--> 319 <213> ORGANISM: Artificial/Unknown
321 <220> FEATURE:
322 <221> NAME/KEY: misc_feature
323 <222> LOCATION: ()..()
324 <223> OTHER INFORMATION: Synthetic peptide
327 <220> FEATURE:
328 <221> NAME/KEY: misc_feature
329 <222> LOCATION: (2)..(2) /
330 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
333 <220> FEATURE:
334 <221> NAME/KEY: misc_feature
335 <222> LOCATION: (3)..(3) /
336 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
339 <400> SEQUENCE: 10
W--> 341 Glu Xaa Xaa Glu Glu
342 1 5
344 <210> SEQ ID NO: 11
345 <211> LENGTH: 5
346 <212> TYPE: PRT
C--> 347 <213> ORGANISM: Artificial/Unknown
349 <220> FEATURE:
350 <221> NAME/KEY: misc_feature
351 <222> LOCATION: ()..()
352 <223> OTHER INFORMATION: Synthetic peptide
355 <220> FEATURE:
356 <221> NAME/KEY: misc_feature
357 <222> LOCATION: (2)..(2) /
358 <223> OTHER INFORMATION: Xaa is a phosphorylated Serine
361 <220> FEATURE:
362 <221> NAME/KEY: misc_feature /

Refer to p 3

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/380,738

DATE: 04/17/2001

TIME: 13:02:32

Input Set : A:\Reynolds.txt

Output Set: N:\CRF3\04172001\I380738.raw

L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:62 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:99 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:179 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:213 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:253 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:269 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:291 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:319 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10
L:341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:347 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11
L:369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:375 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
L:403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:409 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:437 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14
L:453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:459 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15
L:475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:481 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:16
L:497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:503 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:17
L:525 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:531 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18
L:559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:565 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:19
L:599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:605 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:20
L:639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:645 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:21
L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:673 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:22
L:695 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:701 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:23
L:723 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23



Creation date: 09-25-2003
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Legal Date: 08-16-2000

		Number of pages
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Total number of pages: 2

Remarks:

Order of re-scan issued on